

**REMARKS**

The invention relates to a method for producing a color filter for an image sensor.

In the present Amendment, the subject matter of allowable claim 4 is incorporated into claim 1. Claim 4 is canceled, accordingly.

Independent claim 10 is added. This claim corresponds to claim 1 (prior to the present Amendment), with the subject of claim 8 incorporated into it.

Claim 11 depending from claim 10 is added. It recites that the content of the alkali soluble resin in the photo-curable composition is from 0.5 to 15% by mass. For support, please refer to paragraph [0073] of the specification as filed.

Informalities in claims 2, 5 and 8 have been corrected.

Typographical and grammatical errors in the specification are corrected. With the regard to replacing “aryl group” at page 20, line 10 with “allyl group,” this is supported by original claim 8, the explanation on page 30, line 9 of the specification, and Copolymer 2 of Example 8 of the specification.

No new matter is added. Upon entry of the Amendment, which is respectfully requested, claims 1-3, 5-6 and 8-11 will be pending.

In Paragraph No. 3 of the Action, claims 2, 3, 8 and 9 are rejected under 35 U.S.C. § 112, second paragraph, as allegedly being indefinite.

The claims are amended to correct the informalities the Examiner has pointed out.

The claims as amended comply with section 112's definiteness requirement. Withdrawal of the § 112, second paragraph, rejection is respectfully requested.

In Paragraph No. 4, claims 1-3, 5, 6, 8 and 9 are rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over JP 2003-295432 in view of JP 2002-107534.

In Paragraph No. 5, claim 4 is objected to as being dependent upon a rejected based claim, but is stated to be allowable if rewritten in independent form.

As noted, claim 4 is incorporated into claim 1 in the present Amendment.

Thus, reconsideration and withdrawal of the § 103 rejection of claims 1-3, 5, 6, 8 and 9 based on JP '432 in view of JP '534 are respectfully requested.

Independent claim 10 and claim 11 depending therefrom are also patentable over JP '432 and JP '534.

With respect to new claim 10, as described in paragraph [0039] of the specification, in a case where post cure is conducted under heating, this is effective for the promotion of the post cure but, on the other hand, the pattern profile tends to be deteriorated by heat. Since the heating in the invention is conducted within a low temperature range such as a temperature of from 20°C to 50°C, the pattern profile is not deteriorated even in a case where it is constituted finely for an image sensor using the dye.

Further, in a case where the molecule of the alkali-soluble resin contained in the photo-curable composition contains a molecular chain having a polymerizable double bond (i.e., a molecular chain having preferably at least one of an acryloyl group, a methacryloyl group and an allyl group), the post cure can be promoted effectively, and this is useful in that the ultraviolet radiation irradiation time can be shortened or the heat treatment to the coating film after development can be conducted at a lower temperature. In this regard, with respect to blue pixels, Table 2 of the Examples in the specification shows that the results of B/A of Example 4 using Copolymer 1 and Example 8 using Copolymer 2 are superior to the result of Example 1 using a benzyl methacrylate/methacrylic acid copolymer. See Table 2 at page 65 of the specification.

Reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,

/Brett S. Sylvester/  
Brett S. Sylvester  
Registration No. 32,765

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: February 17, 2011